ingrasys®
Cloud Surveillance

Powerful glass defogging

IP66 standard

Quick focus assistance

True WDR
(Wide Dynamic Range)

30m IR

Adaptive IR Technology

H.264 / MPEG4 / MJPEG
Triple codec compression with triple streams

ONVIF

G2334E/H

3MP 30M IR Bullet IP Camera

Ingrasys G2334 series are high-end, 3 megapixel bullet network camera for outdoor surveillance. Equipped with IP66 rated housing to withstand rain, dust and harsh weather endurable design make G2334 series the best choice for outdoor application. To adapt to the wide range of operating temperature, the G2334H supports automatic defog and heater to enhance performance and reliability on extremely weather condition.

Additionally, to adapt to light changes throughout day and night, the G2334 series are furnished with Adaptive IR technology which provide superior image, activity in completely darkness and avoid overexposure in night mode when the object of interest is too close to the camera. Furthermore, the G2334 series also supports smart compression which utilizes specific compression techniques to significantly reduce storage consumption and optimize bandwidth efficiency. For the convenience of installation, G2334 series is furnished with the focus assist button to allow users to adjust camera focus efficiently. Micro SD/SDHC card slot on board keeps G2334 series recording constantly even when the network is disconnected. With other advanced features such as tamper detection, audio detection, triple power supply and two-way audio, Ingrasys G2334 series are an all-in-one IP camera to fit in all kinds of application.

Features

- Supports wide dynamic range (WDR)
- Built-in IR illuminators with Adaptive IR Technology, working distance up to 30M
- Built-in Micro SD/SDHC card slot for local storage
- Built-in 802.3at(G2334H) / 802.3af(G2334E) compliant PoE
- Design in IP66 rated water-proof housing
- Smart Compression and E-PTZ streaming setting
- Design in auto-defogging function
- Built-in focus assist button
- Advanced event detection (Audio, Tamper)
- Support two-way audio

Technical Specifications

* Specifications are subject to change without notice.

Type of Camera

Model No.	G2334E/H
Description	3MP 30M IR Bullet IP Camera

System Information

Processor	ARM based 32-Bit RISC Processor
Flash	32MB
RAM	256MB
Real Time Clock	Yes

Camera

Image Sensor	1/3" 3MP progressive CMOS sensor
Maximum Resolution	2048x1536
Lens Type	Board mount, Auto IRIS ,with IR-cut filter
Focal Length	f=3-9mm f=10-23mm
Aperture	3-9mm : F1.2(wide), F2.3(tele) 10-23mm : F1.6(wide), F2.6(tele)
Field of View	3-9mm:H=96.4°~31.7°, V=69.6°~23.7°, D=128.2°~39.7° 10-23mm:H=27.7°~12.4°, V=20.4°~9.3°, D=35.2°~15.5°
IR Distance	Effective up to 30 meters (98.42ft.) with uniformity lighting
IR LED	850nm, IR LED x48pcs
D/N Control	Auto Mode, Day Mode, Night Mode
Min Illumination	IR LED OFF (Color): 0.1Lux IR LED ON (Mono): 0Lux
Shutter Time	1/30(25) sec. to 1/30,000 sec.

Video

Video Compression	H.264/MPEG4/MJPEG
Maximum Video Stream	3 simultaneous streams
Maximum Frame Rate	H.264: 20fps@2048x1536, 30fps@1920x1080 MPEG4: 20fps@1920x1080 MJPEG: 15fps@2048x1536, 20fps@1920x1080
Bit Rate Mode	Constant Bit Rate(CBR)/Variable Bit Rate (VBR) bit rate control
Image Orientation	Mirror, Flip
Image Setting	Exposure Mode: Auto/Manual White Balance Mode: Auto/Fixed Gain Mode: Auto/Manual Configurable Sharpness, Saturation, Brightness, Contrast with 17 levels (0-16)
Privacy Mask	Support 8 privacy mask zones
OSD	Time Stamp and Text caption overlay
Analog Video Port	BNC connector, 1.0Vp-p, 75Ω
Analog Video Format	NTSC: 720x480@30fps; PAL: 720x576@25fps

Audio

Audio In	Support external microphone input
Audio Out	Support line out
Compression	G.711 PCM 8kHz
Two Ways Audio	Full-duplex

Network

Users	Live view for up to 6 clients
Ethernet	10Base-T/100Base-TX
ONVIF	Supported
Supported Protocols	IPv4, IPv6, TCP/IP, HTTP, HTTPs, UPnP, RTSP/RTP/RTCP, IGMP, FTP, DHCP, DNS, DDNS, PPPoE, NTP, SMTP, Bonjour, QoS, Samba, Multicast

Local Storage

Memory Card	Micro SD/Micro SDHC Card up to 32GB
Store Category	Stores snapshots and video clips

Event Management

Event Triggers	Motion detection, Manual trigger, External alarm, Network fail, Periodically trigger, Tamper Detection, Audio Detection
Event Actions	File upload via FTP, SMTP, SAMBA and Micro SD card Notification via FTP, E-mail and External output activation Video and audio recording to Micro SD or SAMBA

I/O Connectors & Indicators

Network Connector	RJ-45
RS485	Terminal block
Power Input	PoE (IEEE 802.3at(H)/IEEE 802.3af(E)), DC 12V (Power terminal IO) AC 24V (Power terminal IO)
Power Consumption	Heater on: 25W max / Heater off: 12W max
LED Indicator	x1 Networking status (Green & Yellow) x1 System status (Green & Amber & Red)
Alarm Port	Terminal block x2 In / x1 Out
Audio In/Out	Terminal block x1 In / x1 Out
Analog Video Out	Video out x1, BNC video out
Focus Assist	Focus assist button on board
Reset	Reset button on board
Memory Card	Micro SD/SDHC card slot

General

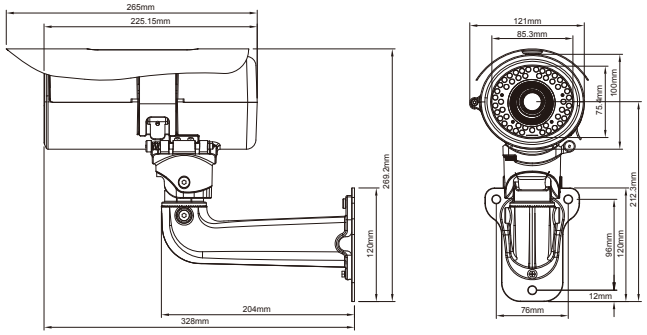
Weight	Net: 1430g (3.11lb)
Dimension (L x H x W) (w/o bracket)	8.86" x 3.94" x 4.76" / 225mm x 100mm x 121mm
Operating Temperature	-40°C~50°C(-40°F~122°F) (G2334H) -10°C~50°C(14°F~122°F) (G2334E)
Storage Temperature	-40°C~65°C (-40°F~149°F)
Operating Humidity	20% ~ 90% RH
Certifications	CE, FCC (class A), LVD
OS	Microsoft Windows XP/Vista/7/2K
Browser	Microsoft IE 8.0 or above, Chrome, Firefox, Safari

Other Value-added Features

Software	Free bundled 32CH software
Smart Compression	Yes
Adaptive IR	Yes
True WDR	Yes
Water Resistant	IP66
ePTZ	Yes

Package Contents

Component	1 x Wall Mount Bracket and screw pack
	1 x Quick Installation Guide (QIG)
	1 x Warranty Card
	1 x Product CD (Camera discovery tool, User's manual, Recording software)
	2 x Desiccant bag (G2334E)
	1 x Power adaptor (Option)



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